

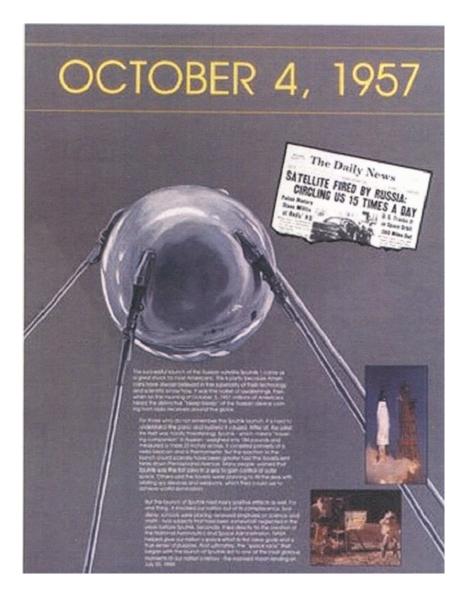


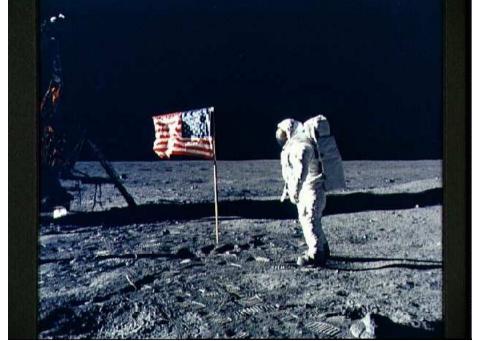
FIRST®



Paul R. Gudonis President









The World Is Flat

A BRIEF HISTORY OF
THE TWENTY-FIRST CENTURY

Thomas L. Friedman



$$C = \sqrt{a^2 + b^2}$$

	Taiwan	
	1211/1/20	1
_	ICHIVVCIII	1

- 2. Finland
- 3. South Korea
- 4. Netherlands
- 5. Switzerland
- 6. Canada
- 7. Liechtenstein
- 8. Japan
- 9. New Zealand
- 10.Belgium

11. Australia

- 12. Estonia
- 13. Denmark
- 14. Czech Republic
- 15. Iceland
- 16. Austria
- 17. Slovenia
- 18. Germany
- 19. Sweden
- 20. Ireland

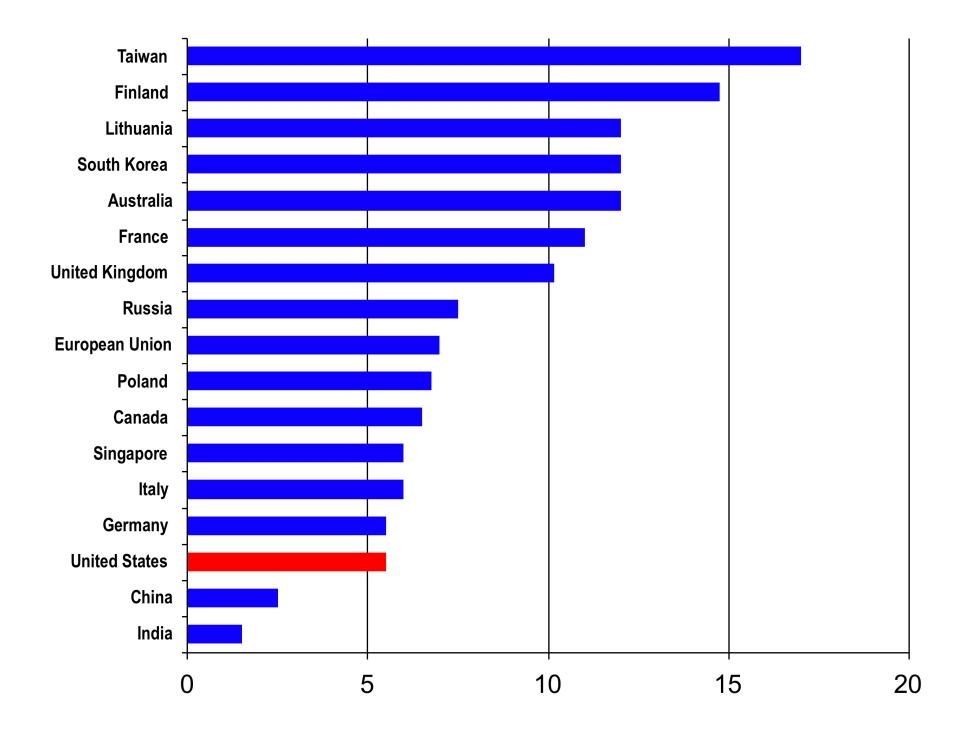
$C = \sqrt{a^2 + b^2}$

21.	France
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- 22. United Kingdom
- 23. Poland
- 24. Slovakia
- 25. Hungary
- 26. Luxembourg
- 27. Norway
- 28. Lithuania
- 29. Latvia
- 30. Spain

- 31. Azerbaijan
- 32. Russia
- 33. United States
- 34. Croatia
- 35. Portugal
- 36. Italy
- 37. Greece
- 38. Israel
- 39. Serbia
- 40. Uruguay







High School Graduation Rates

Atlanta	46%
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Kansas City 46%

Los Angeles 45%

New York City 45%

Dallas 44%

Minneapolis 44%

Baltimore 35%

Cleveland 34%

Indianapolis 31%

Detroit 25%



Supply Demand

Standards

Testing

Curriculum

Teacher Quality

Merit Pay

Teacher Training

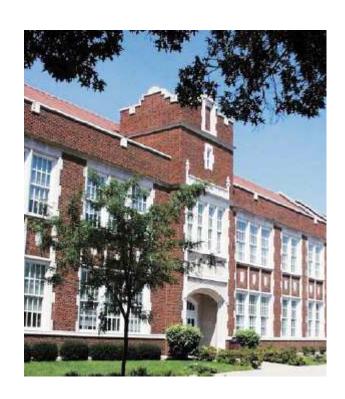
Vouchers

Charter Schools

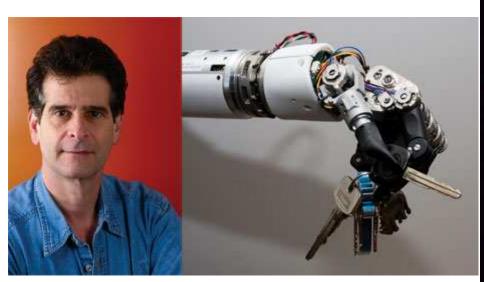
STEM Academies

Length of School Day/Year

New School Designs

















"March Madness"









"We need more scientists and engineers"

"More young people participating in robotics competitions"

FIRST Programs















FIRST®Robotics Competition

#	Te	an	าร	
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1438

14,800

1111

1809

Students

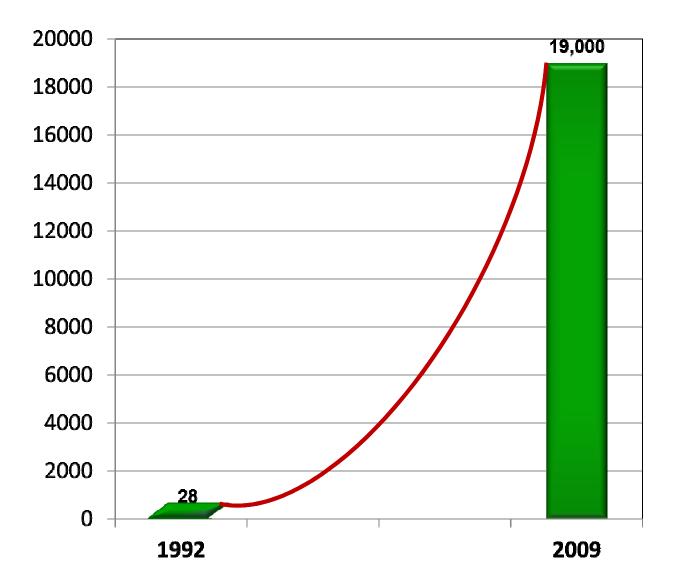
7000

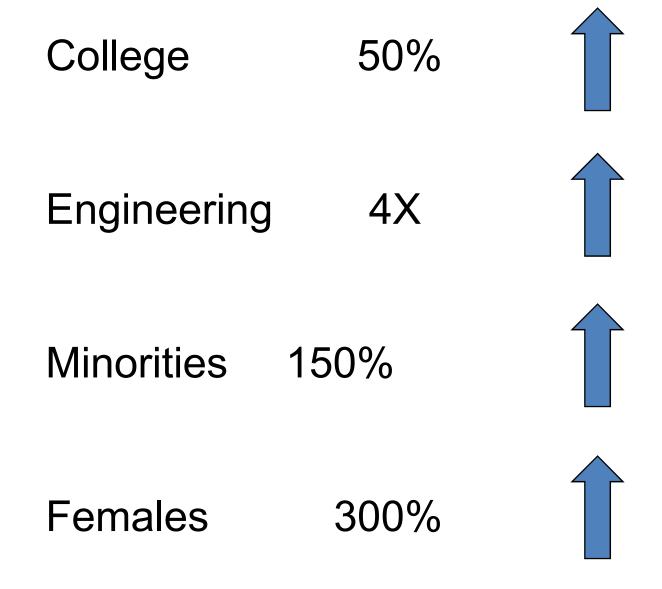
148,000

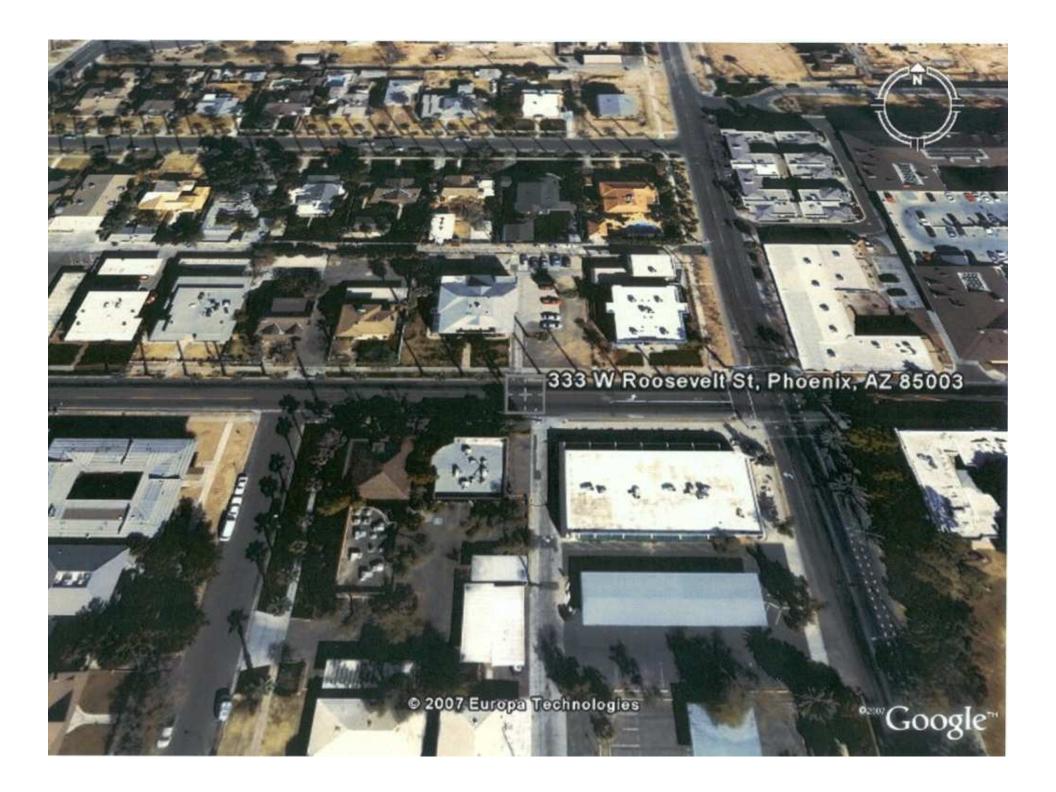
11,000

45,000

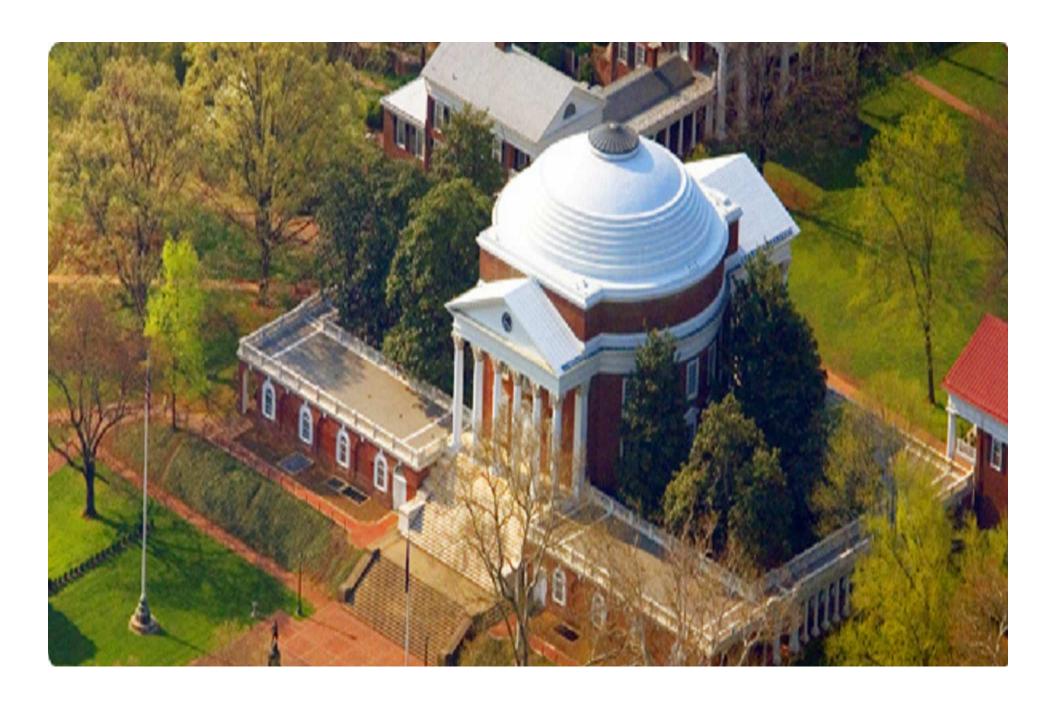














U.S. Government – FIRST Partnerships























NATIONAL DEFENSE EDUCATION PROGRAM BUILDING AMERICAN STRENGTH IN SCIENCE AND ENGINEERING



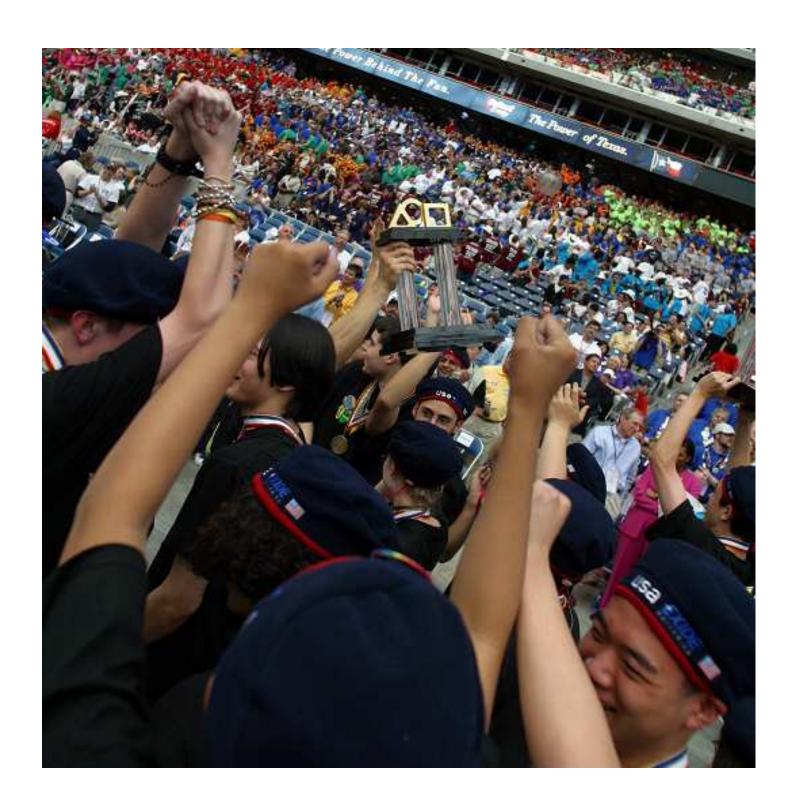


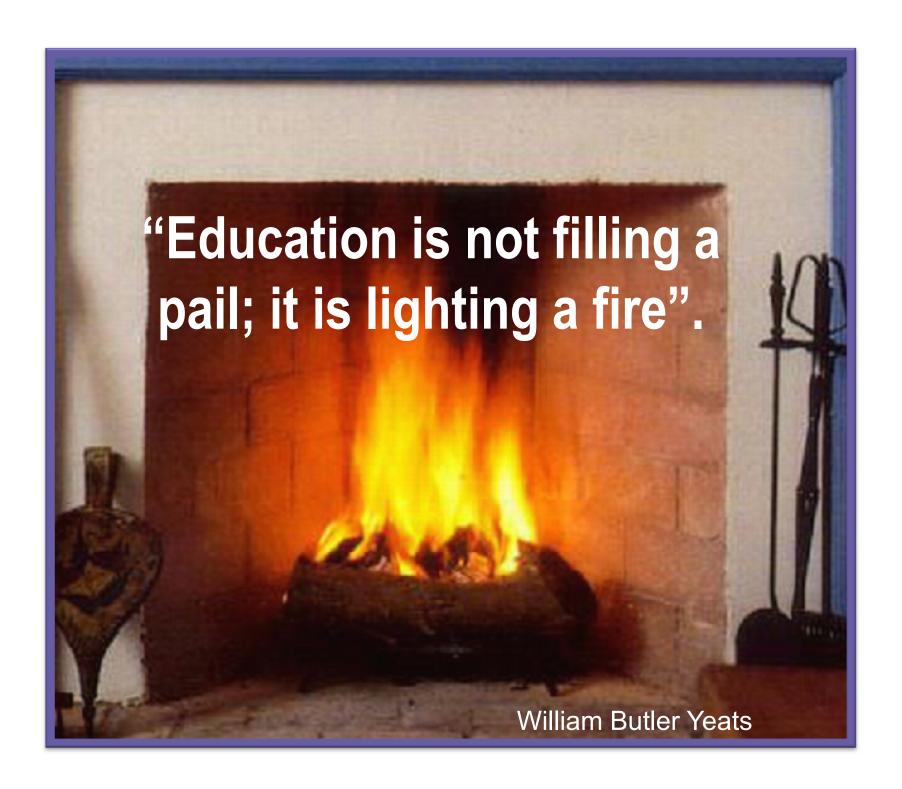














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